

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1310532

Luminaire Tested: LDSQA3D17R359035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310532  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359035DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

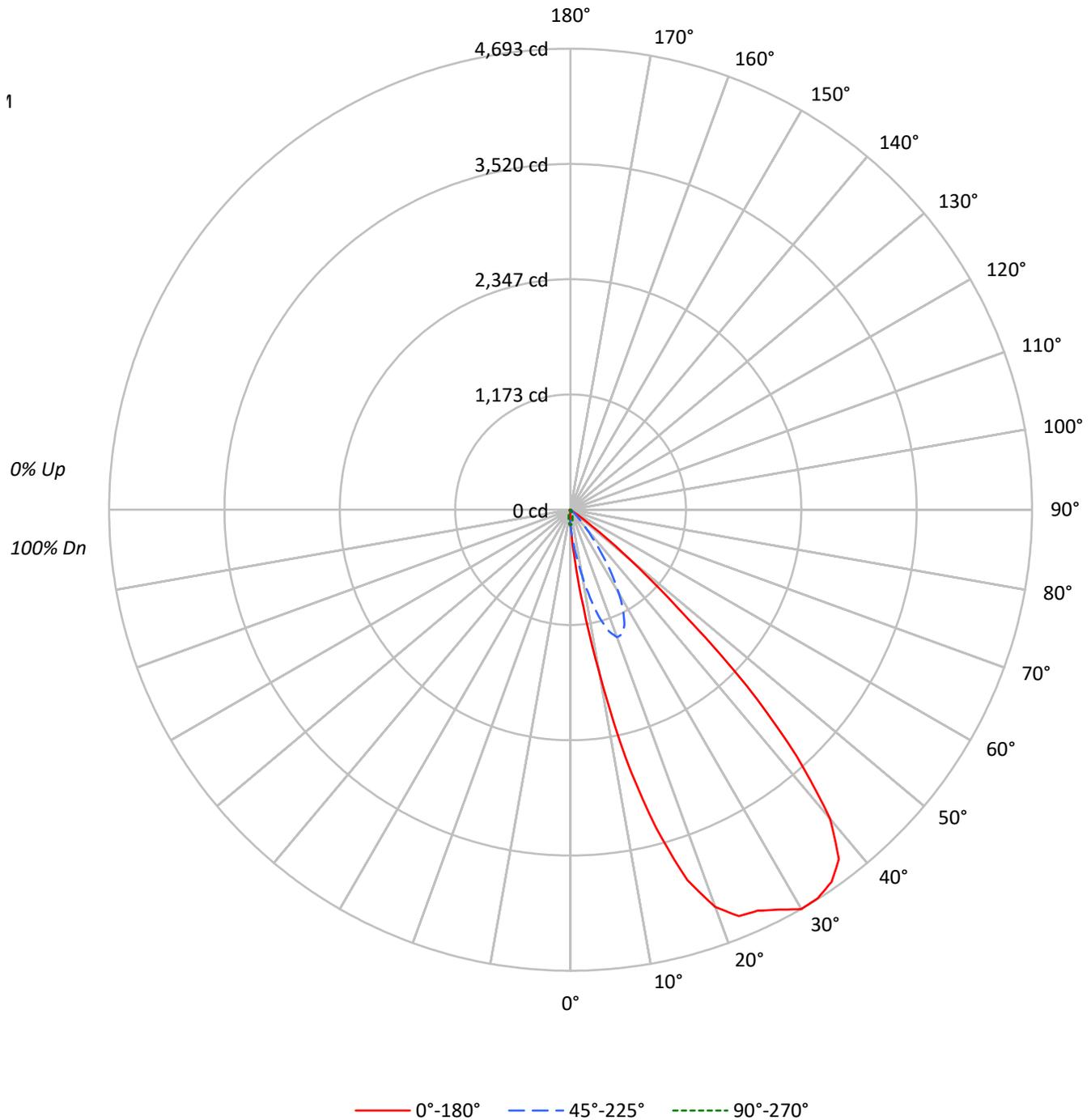
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1475.9 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	26695	26695	26695	26695	26695
5°	90935	59091	24964	10528	7780
10°	292643	119792	19691	3935	2553
15°	596264	203171	13943	1409	945
20°	788470	253030	8980	477	477
25°	855538	245990	5036	247	494
30°	933276	196042	2108	259	517
35°	972467	122005	547	273	547
40°	922821	53327	292	585	899
45°	616035	21287	317	974	1607
50°	206601	3537	697	1420	2117
55°	11530	390	781	1982	2792
60°	896	448	1378	2273	3203
65°	1060	530	1630	2690	3790
70°	655	655	2014	3323	3978
75°	865	865	2662	3527	4392
80°	0	1289	3967	3967	3967
85°	0	2569	7904	2569	5138

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 616035 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.9	1.8
10°-20°	212.0	14.4
20°-30°	447.4	30.3
30°-40°	507.6	34.4
40°-50°	249.8	16.9
50°-60°	21.6	1.5
60°-70°	4.4	0.3
70°-80°	4.1	0.3
80°-90°	2.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	686.3	46.5
0°-40°	1194.0	80.9
0°-60°	1465.4	99.3
0°-90°	1475.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1475.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	155	155	155	155	155	
5°	526	342	144	61	45	87
15°	3344	1140	78	8	5	951
25°	4502	1294	26	1	3	2095
35°	4625	580	3	1	3	2851
45°	2529	87	1	4	7	1869
55°	38	1	3	7	9	151
65°	3	1	4	7	9	2
75°	1	1	4	5	7	1
85°	0	1	4	1	3	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
2.5°	269.0	275.6	272.9	271.6	270.3	265.0	253.1	251.7	239.8	231.9	192.1
5°	526.0	515.4	518.1	503.5	484.9	458.4	441.2	404.1	373.6	341.8	223.9
7.5°	991.1	976.5	948.7	906.3	862.5	805.6	719.4	650.6	571.1	495.5	249.1
10°	1673.4	1665.5	1629.7	1521.0	1425.6	1273.3	1130.2	979.1	830.7	685.0	266.3
12.5°	2585.0	2530.7	2465.7	2321.3	2133.2	1942.4	1660.2	1399.1	1162.0	918.2	267.6
15°	3344.2	3309.7	3218.3	3030.2	2803.6	2528.0	2192.8	1841.7	1483.9	1139.5	254.4
17.5°	3955.0	3902.0	3784.1	3599.9	3338.9	2981.1	2589.0	2161.0	1725.1	1297.1	231.9
20°	4302.1	4274.3	4184.2	4000.0	3715.2	3324.3	2877.8	2379.6	1876.1	1380.6	202.7
22.5°	4477.0	4457.1	4390.9	4243.8	3977.5	3584.0	3072.6	2493.6	1919.9	1371.3	172.2
25°	4502.2	4496.9	4439.9	4328.6	4106.0	3716.5	3157.4	2514.8	1884.1	1294.5	143.1
27.5°	4589.6	4571.1	4503.5	4392.2	4168.3	3739.0	3128.2	2441.9	1768.8	1159.3	119.2
30°	4693.0	4679.7	4612.2	4496.9	4231.9	3717.8	3024.9	2280.2	1584.6	985.8	88.8
32.5°	4685.0	4679.7	4622.8	4500.9	4186.8	3593.3	2840.7	2037.8	1334.2	777.7	55.6
35°	4625.4	4606.9	4535.3	4347.2	3929.8	3272.6	2490.9	1709.2	1056.0	580.3	35.8
37.5°	4482.3	4442.6	4322.0	4002.7	3470.0	2778.4	2028.5	1319.7	747.3	388.2	22.5
40°	4104.7	4054.3	3811.9	3426.3	2868.5	2188.8	1509.1	907.6	492.9	237.2	9.3
42.5°	3405.1	3303.1	3060.6	2664.5	2141.1	1547.5	991.1	588.3	290.2	143.1	2.6
45°	2529.3	2451.2	2196.8	1837.7	1403.1	992.4	600.2	318.0	160.3	87.4	1.3
47.5°	1473.3	1425.6	1294.5	1058.6	775.1	520.7	307.4	170.9	94.1	42.4	1.3
50°	771.1	711.5	612.1	463.7	341.8	239.8	149.7	91.4	46.4	13.2	1.3
52.5°	270.3	266.3	242.5	182.8	148.4	107.3	72.9	39.7	13.2	2.6	1.3
55°	38.4	38.4	35.8	39.7	42.4	38.4	25.2	10.6	2.6	1.3	1.3
57.5°	2.6	2.6	2.6	4.0	5.3	5.3	4.0	1.3	1.3	1.3	2.6
60°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
62.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
65°	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0
77.5°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	112.5°	135°	157.5°	180°
0°	155.0	155.0	155.0	155.0	155.0
2.5°	153.7	123.2	98.0	86.1	82.1
5°	144.4	92.7	60.9	47.7	45.0
7.5°	128.5	66.2	37.1	26.5	25.2
10°	112.6	47.7	22.5	15.9	14.6
12.5°	94.1	33.1	14.6	9.3	7.9
15°	78.2	22.5	7.9	6.6	5.3
17.5°	62.3	14.6	5.3	4.0	5.3
20°	49.0	9.3	2.6	2.6	2.6
22.5°	37.1	5.3	2.6	2.6	2.6
25°	26.5	2.6	1.3	1.3	2.6
27.5°	18.5	1.3	1.3	1.3	2.6
30°	10.6	1.3	1.3	1.3	2.6
32.5°	5.3	1.3	1.3	2.6	2.6
35°	2.6	1.3	1.3	2.6	2.6
37.5°	1.3	1.3	1.3	2.6	4.0
40°	1.3	1.3	2.6	4.0	4.0
42.5°	1.3	1.3	2.6	4.0	5.3
45°	1.3	2.6	4.0	5.3	6.6
47.5°	2.6	2.6	5.3	6.6	7.9
50°	2.6	4.0	5.3	7.9	7.9
52.5°	2.6	4.0	6.6	7.9	9.3
55°	2.6	5.3	6.6	9.3	9.3
57.5°	4.0	5.3	6.6	9.3	9.3
60°	4.0	5.3	6.6	9.3	9.3
62.5°	4.0	5.3	6.6	9.3	9.3
65°	4.0	5.3	6.6	9.3	9.3
67.5°	4.0	5.3	6.6	7.9	9.3
70°	4.0	5.3	6.6	7.9	7.9
72.5°	5.3	5.3	6.6	7.9	7.9
75°	4.0	5.3	5.3	6.6	6.6
77.5°	4.0	4.0	4.0	5.3	5.3
80°	4.0	4.0	4.0	4.0	4.0
82.5°	4.0	2.6	2.6	4.0	4.0
85°	4.0	2.6	1.3	2.6	2.6
87.5°	2.6	2.6	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)